



1600

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/554,704

DATE: 05/16/2003  
 TIME: 08:00:07

Input Set : A:\032313-004.ST25.txt  
 Output Set: N:\CRF4\05162003\I554704.raw

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 MAY 21 2003  
 TECH CENTER 1600/2900

ENTERED

4 <110> APPLICANT: Svanborg, Catharina  
 5 Hakansson, Per Anders  
 6 Svensson, Malin Wilhelmina  
 8 <120> TITLE OF INVENTION: Lactalbumin Production Process  
 10 <130> FILE REFERENCE: 032313-004  
 12 <140> CURRENT APPLICATION NUMBER: US 09/554,704  
 13 <141> CURRENT FILING DATE: 2000-08-15  
 15 <150> PRIOR APPLICATION NUMBER: PCT/IB98/01919  
 16 <151> PRIOR FILING DATE: 1999-11-23  
 18 <150> PRIOR APPLICATION NUMBER: GB 9724725.8  
 19 <151> PRIOR FILING DATE: 1997-11-21  
 21 <150> PRIOR APPLICATION NUMBER: GB 9812202.1  
 22 <151> PRIOR FILING DATE: 1998-06-05  
 24 <160> NUMBER OF SEQ ID NOS: 8  
 26 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 28 <210> SEQ ID NO: 1  
 29 <211> LENGTH: 30  
 30 <212> TYPE: PRT  
 31 <213> ORGANISM: Artificial Sequence  
 33 <220> FEATURE:  
 34 <223> OTHER INFORMATION: amino acid sequence of alpha-lactalbumin (HLA)  
 36 <400> SEQUENCE: 1  
 37 Lys Gln Phe Thr Lys Cys Glu Leu Ser Gln Leu Leu Lys Asp Ile Asp  
 38 1 5 10 15  
 39 Gly Tyr Gly Gly Ile Ala Leu Pro Pro Leu Ile Asp Thr Met  
 40 20 25 30  
 43 <210> SEQ ID NO: 2  
 44 <211> LENGTH: 30  
 45 <212> TYPE: PRT  
 46 <213> ORGANISM: Artificial Sequence  
 48 <220> FEATURE:  
 49 <223> OTHER INFORMATION: amino acid sequence of the protein bands of MAL  
 W--> 51 <221> NAME/KEY: VARIANT  
 52 <222> LOCATION: 6  
 53 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
 W--> 55 <400> 2  
 W--> 56 Lys Gln Phe Thr Lys Xaa Glu Leu Ser Gln Leu Leu Lys Asp Ile Asp  
 57 1 5 10 15  
 58 Gly Tyr Gly Gly Ile Ala Leu Pro Pro Leu Ile Asp Thr Met  
 59 20 25 30  
 62 <210> SEQ ID NO: 3  
 63 <211> LENGTH: 10  
 64 <212> TYPE: PRT

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65 <213> ORGANISM: Artificial Sequence
67 <220> FEATURE:
68 <223> OTHER INFORMATION: amino acid sequence of the protein bands of MAL
W--> 70 <221> NAME/KEY: VARIANT
71 <222> LOCATION: 6
72 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 74 <400> 3
W--> 75 Lys Gln Phe Thr Lys Xaa Glu Leu Ser Gln
76 1 5 10
79 <210> SEQ ID NO: 4
80 <211> LENGTH: 10
81 <212> TYPE: PRT
82 <213> ORGANISM: Artificial Sequence
84 <220> FEATURE:
85 <223> OTHER INFORMATION: amino acid sequence of the protein bands of MAL
87 <400> SEQUENCE: 4
88 Lys Gln Phe Leu Lys Arg Pro Lys Thr Pro
89 1 5 10
92 <210> SEQ ID NO: 5
93 <211> LENGTH: 10
94 <212> TYPE: PRT
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: amino acid sequence of the protein bands of MAL
W--> 100 <221> NAME/KEY: VARIANT
101 <222> LOCATION: 5, 6, 9
102 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 104 <400> 5
W--> 105 Lys Gln Phe Thr Xaa Xaa Glu Leu Xaa Gln
106 1 5 10
109 <210> SEQ ID NO: 6
110 <211> LENGTH: 10
111 <212> TYPE: PRT
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: amino acid sequence of the protein bands of MAL
W--> 117 <221> NAME/KEY: VARIANT
118 <222> LOCATION: 5, 6, 9
119 <223> OTHER INFORMATION: Xaa = Any Amino Acid
W--> 121 <400> 6
W--> 122 Lys Gln Asn Ile Xaa Xaa Glu Ser Xaa Val
123 1 5 10
126 <210> SEQ ID NO: 7
127 <211> LENGTH: 10
128 <212> TYPE: PRT
129 <213> ORGANISM: Artificial Sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: amino acid sequence of the protein bands of MAL
W--> 134 <221> NAME/KEY: VARIANT

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135 <222> LOCATION: 5, 6, 9  
136 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 138 <400> 7  
W--> 139 Lys Gln Phe Thr Xaa Xaa Glu Tyr Xaa Asn  
140 1 5 10  
143 <210> SEQ ID NO: 8  
144 <211> LENGTH: 6  
145 <212> TYPE: PRT  
146 <213> ORGANISM: Artificial Sequence  
148 <220> FEATURE:  
149 <223> OTHER INFORMATION: amino acid sequence of the protein bands of MAL  
W--> 151 <221> NAME/KEY: VARIANT  
152 <222> LOCATION: 6  
153 <223> OTHER INFORMATION: Xaa = Any Amino Acid  
W--> 155 <400> 8  
W--> 156 Lys Gln Phe Thr Lys Xaa  
157 1 5

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/554,704

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TIME: 08:00:08

Input Set : A:\032313-004.ST25.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:2; Xaa Pos. 6  
Seq#:3; Xaa Pos. 6  
Seq#:5; Xaa Pos. 5,6,9  
Seq#:6; Xaa Pos. 5,6,9  
Seq#:7; Xaa Pos. 5,6,9  
Seq#:8; Xaa Pos. 6

## VERIFICATION SUMMARY

DATE: 05/16/2003

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Input Set : A:\032313-004.ST25.txt

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L:51 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:55 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:2  
L:56 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0  
L:70 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:74 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:3  
L:75 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:100 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:104 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:5  
L:105 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0  
L:117 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:121 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:6  
L:122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0  
L:134 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:138 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:7  
L:139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0  
L:151 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:155 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8  
L:156 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0